

What is claimed is:

1. An instrument for inserting an implant, comprising:

a proximal portion including a frame; and

a distal portion including first and second guide members extending distally from said

5 frame, said first and second guide members each including:

opposite first and second sides extending between a proximal end and a distal end;

a guide surface extending from said proximal to said distal end between said first and second sides; and

10 a guide flange extending along only one of said first and second sides, said guide flange projecting from said guide surface of the corresponding one of the first and second guide members toward the guide surface of the other of said first and second guide members.

15 2. The instrument of claim 1, wherein with said guide surfaces of said first and second guide members oriented toward one another, said guide flanges are aligned with a side of the other guide member that is opposite the side of the other guide member including the guide flange.

20 3. The instrument of claim 1, wherein said first and second guide members each include an abutment member adjacent said distal end thereof, said abutment member projecting from said guide member in a direction opposite said guide surface.

4. The instrument of claim 3, further comprising a support member extending distally from said abutment member of each of said first and second guide members.

5. The instrument of claim 4, wherein said guide surface of each of said first and second guide members includes a number of guide rails to guide an implant therealong.

6. The instrument of claim 5, wherein said guide rails terminate at a location along said guide surface that is adjacent said abutment member.

10 7. The instrument of claim 6, wherein said guide surface extends distally from said guide rails along said support member.

8. The instrument of claim 7, wherein said guide surface is planar along said support member.

15 9. The instrument of claim 1, wherein said guide surfaces are planar.

10. The instrument of claim 1, wherein said proximal ends of said guide members each include a dovetail configuration for engagement with a corresponding receptacle in said

20 frame.

11. The instrument of claim 1, wherein said guide surfaces of said first and second guide members each include a width between said first and second sides, said width being greater than a width of an implant to be positioned along said guide surfaces.

5 12. The instrument of claim 1, wherein said frame includes a stationary arm and a movable arm, one said first and second guide members being coupled to said stationary arm and the other of said first and second guide members being coupled to said movable arm.

10 13. The instrument of claim 12, wherein said stationary arm and said movable arm are transversely oriented to said first and second guide members.

14. The instrument of claim 13, wherein said frame includes a handle extending from said stationary arm.

15 15. The instrument of claim 14, wherein said stationary arm and said movable arm each include a lateral extension portion, said lateral extension portions each including a hand-hole extending therethrough.

20 16. The instrument of claim 12, wherein said stationary arm and said movable arm define a C-shaped central opening therebetween.

17. The instrument of claim 1, wherein said guide surfaces are parallel with one another.

18. The instrument of claim 17, wherein said frame portion is structured to move said guide members away from and toward one another with said guide surfaces remaining parallel to one another.

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19. An instrument for inserting an instrument, comprising:

a proximal portion including a frame, said frame including a stationary arm and a movable arm coupled to said stationary arm; and

a distal portion including a first guide member extending distally from said movable  
10 arm and a second guide member extending distally from said stationary arm, said first and second guide members each including a guide surface oriented toward the guide surface of the other of said first and second guide members, said first and second guide members being movable toward and away from one another by moving said movable arm relative to said stationary arm.

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20. The instrument of claim 19, wherein said first and second guide members each include:

opposite first and second sides extending between a proximal end and a distal end;

said guide surface extending from said proximal to said distal end between said first  
20 and second sides; and

a guide flange extending along only one of said first and second sides, said guide flange projecting from said guide surface of the corresponding one of the first and second guide members toward the guide surface of the other of said first and second guide members.

21. The instrument of claim 20, wherein said guide flanges are aligned with a side of the other guide member that is opposite the side of the other guide member including the guide flange.

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22. The instrument of claim 19, wherein said first and second guide members each include an abutment member adjacent a distal end thereof, said abutment member extending from said guide member in a direction opposite said guide surface.

10 23. The instrument of claim 22, further comprising a support member extending distally from said abutment member of each of said first and second guide members.

24. The instrument of claim 23, wherein said guide surface of each of said first and second guide members includes a number of guide rails to guide an implant therealong.

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25. The instrument of claim 24, wherein for each guide member said guide rail thereof terminates along said guide surface at a location adjacent said abutment member.

26. The instrument of claim 19, wherein said guide surfaces are planar.

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27. The instrument of claim 19, wherein said guide members each include a dovetail configuration adjacent a proximal end thereof for engagement with a corresponding receptacle in a respective one of said movable arm and said stationary arm.

28. The instrument of claim 19, wherein said stationary arm and said movable arm are transversely oriented to said first and second guide members.

5 29. The instrument of claim 28, wherein said frame includes a handle extending from said stationary arm.

30. The instrument of claim 29, wherein said handle is transversely oriented to said first and second guide members.

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31. The instrument of claim 29, wherein said stationary arm and said movable arm each include a lateral extension portion, said lateral extension portions each including a hand-hole extending therethrough.

15 32. The instrument of claim 19, wherein said stationary arm and said movable arm define a C-shape with a central opening.

33. The instrument of claim 19, wherein said stationary arm includes a first vertical extension portion coupled to said first guide member, a lateral extension portion  
20 extending from and transversely oriented to said first vertical extension portion, and a second vertical extension opposite said first vertical extension portion.

34. The instrument of claim 33, wherein said movable arm is coupled with said second vertical extension portion.

35. The instrument of claim 34, wherein said movable arm includes a lateral extension portion extending transversely to said second vertical extension portion of said stationary arm.

36. The instrument of claim 35, wherein said movable arm includes a vertical extension portion opposite said second vertical extension portion of said stationary arm, said vertical extension portion of said movable arm being aligned with said first vertical extension portion of said stationary arm.

37. The instrument of claim 19, wherein said guide surfaces of said first and second guide members are parallel with one another, and said movable arm and said stationary arm are adapted to move said first and second guide members toward and away from one another with said guide surfaces remaining parallel.

38. An instrument for inserting an implant, comprising:  
a distal portion including a first guide member and a second guide member extending along said first guide member, said first and second guide members each including a guide surface oriented toward the guide surface of the other of said first and second guide members, said guide surfaces being generally parallel with one another; and

a proximal portion including a frame coupled to said first and second guide members, said frame being structured to move said first and second guide members toward and away from one another with said guide surfaces remaining generally parallel.

5           39.     The instrument of claim 38, wherein said frame includes a stationary arm coupled to one of said first and second guide members and a movable arm coupled to the other of said first and second guide members, said movable arm further being further movably coupled with said stationary arm.

10           40.     The instrument of claim 38, wherein said guide members include guide flanges extending therealong adapted to confine an implant therebetween as the implant is moved along said guide surfaces.

15           41.     The instrument of claim 38, wherein said frame is transversely oriented to said guide members adjacent proximal ends of said guide members, said proximal ends of said guide members defining a proximal opening therebetween for receipt of an implant for positioning between said guide surfaces of said guide members.

20           42.     An instrument for inserting an implant in a space between adjacent bony portions, comprising:

a first member extending between a distal end a proximal end; and

a second member extending between a distal end and a proximal end, said second member being coupled with said first member and movable relative thereto to removably grip



an implant between said distal ends of said first and second members, said proximal end of one of said first and second members extending further proximally than said proximal end of the other of said first and second members to an impaction head for receiving an impaction force to facilitate insertion of the implant into the space between adjacent bony portions.

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43. The instrument of claim 42, wherein said first member is pivotally coupled with said second member.

44. The instrument of claim 42, wherein said distal ends each include a concave  
10 gripping surface oriented toward one another.

45. An instrument for tamping a tapered implant into a space between adjacent bony portions, comprising:

a proximal portion including a shaft and a distal portion including a head, said head  
15 including a body and a wedge member, said body including a distal end surface to deliver a tamping force to the tapered implant positioned thereagainst, said wedge member extending distally from said end surface of said body and positionable along an adjacent tapered end surface of the tapered implant when said distal end surface is positioned adjacent to the tapered implant, said wedge member forming a temporary surface along the tapered end  
20 surface that is substantially parallel to a second surface of the tapered implant opposite the tapered surface.

46. The instrument of claim 45, wherein said wedge member includes a thickness that tapers distally from said body.

47. The instrument of claim 45, wherein said wedge member includes a thickness  
5 that tapers from a first side of said body to a second side of said body.

48. The instrument of claim 45, further comprising a pair of guide members for  
guiding the implant to the space between the adjacent bony portion, said pair of guide  
members including a pair of parallel guide surfaces along which said temporary surface and  
10 said second surface of the implant are guided.